

FIG. 1A

TTGTCTGAAG TCGAATTITAG CCACGAATAC TGGATGCGTC ACGCGCTGAC
 GCTGGCGAAA CGTGCCTGGG ATGAGGGGAA GTGCCGGTCG GCGCGGTATT
 AGTGCATAAC AATCGGGTAA TCGGCGAAGG CTGGAACCGC CCGATTGGTG
 CCATGATCCC ACCGCACATG CAGAAATCAT GGCCCTGCGG CAGGGTGGTC
 TGGTGATGCA AAATTATCGT CTGTCGACGC CACGTTGTAT GTCACGCTTG
 AACCATGTGT AATGTGTGCC GGAGCGATGA TCCACAGTCG CATTGGTGCG
 TGGTCTTTGG TCGCGGTGAC GCGAAAACTG GCGCTGCGGG ATCTTTAATG
 GATGTGCTGC ATCATCCGGG TTGAATCACC GAGTGGAAT TACGGAAGGA
 ATACTGGCGG ATGAGTGCGC GCGTTGCTC AGTGACTTCT TTCGCTGCGC
 CGCCAGGAAA TTAAAGCGCA GAAAAAGCG CAATCCTCGA CGGATTAA

FIG. 1B

MSEVEFSHEY WMRHALTLAK RAWDEREVPV GAVLVHNNRV IEGWNRPIG
 RHPTAHAEIM ALRQGGVMQ NYRLIDATLY VTLEPCVMCA GAMIHSRIGR
 VVFGARDAKT GAAGSLMDVL HHPGMNHRVE ITEGILADEC AALLSDFFRM
 RRQEIKAQKK AQSSTD

FIG. 2

MRRAFITGVF FLSEVEFSHE YMRHALTLA KRAWDEREVP VGAVLVHNNR
VIGEGWNRPI GRHDPTAHAE IMALRQGGLV MQNYRLIDAT LYVTLEPCVM
CAGAMIHSRI GRVVFGARDA KTGAAGSLMD VLHHPGMNHR VEITEGILAD
ECAAALLSDF RMRRQEIKAQ KKAQSSTD

FIG. 3A

ATGCGCCGCG CTTTATAAC CGAGTTTTC TTTTGTCTG AAGTCGAATT
TAGCCACGAA TACTGGATGC GTCACGCGCT GACGCTGGCG AACGTGCCT
GGGATGAGCG GGAAGTGCCG GTCGGCGCGG TATTAGTGA TAACAATCGG
GTAATCGCG AAGCTGGAA CCGCCCGATT GGTGCCCATG ATCCCACCGC
ACATGCAGAA ATCATGGCCC TCGGCGAGG TGGTCTGGT ATGCAAAATT
ATCGTCTGAT CGACGCCACG TTGTATGTCA CGTTGAACC ATGTGTAATG
TGTGCCGAG CGATGATCCA CAGTCGCATT GGTGCGTGG TCTTTGGTGC
GCGTGACGCG AAACTGGCG CTGCGGGATC TTTAATGGAT GTGCTGCATC
ATCCGGGTAT GAATCACCGA GTGGAATAA CGGAAGGAAT ACTGGCGGAT
GAGTGCGCG CGTTGCTCAG TGACTTCTTT CGCATGCGCC GCCAGGAAAT
TAAAGGCAG AAAAAAGCG AATCCTCGAC GGATTAA

FIG. 3B

MRRAFITGVF FLSEVEFSHE YWMRHALLA KRAWDEREVP VGAVLVHNNR
VIGEGWNRPI GRHDPTAHAE IMALRQGLV MNYRLIDAT LYVTLEPCVM
CAGAMIHSRI GRVVFARGDA KTGGAAGSLMD VLHHPGMNHR VEITEGILAD
ECAALLSDF RMRRQEIKAQ KKAQSSTD

FIG. 4A

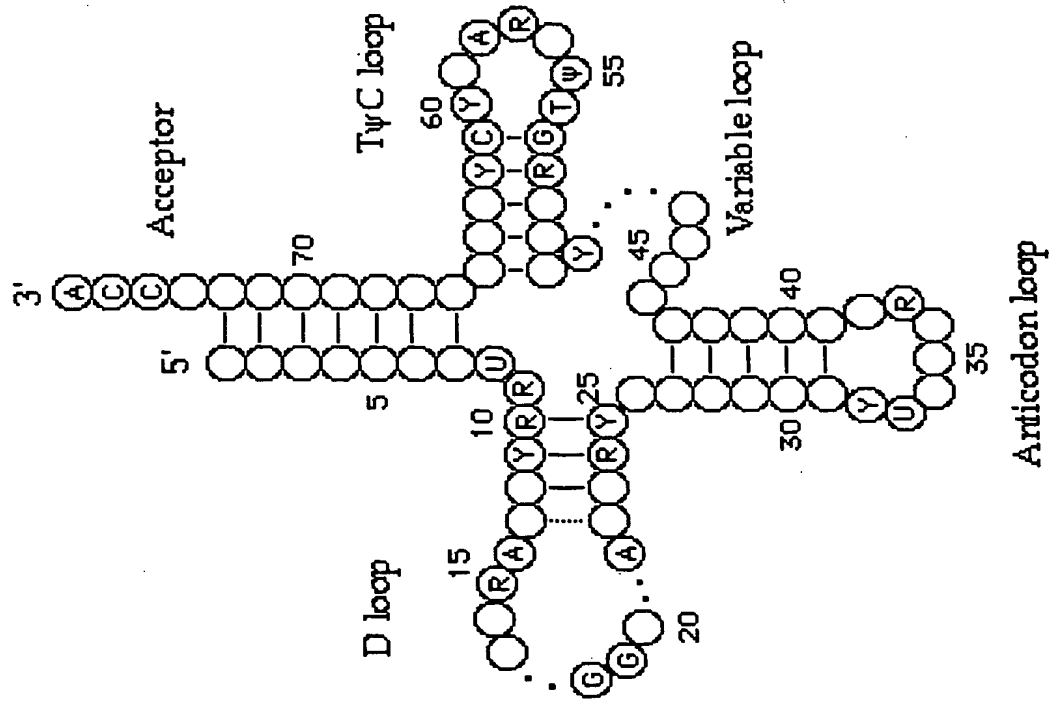


FIG. 4B

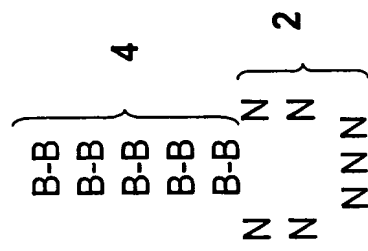


FIG. 5

Organism	Nucleotide Sequence of tRNA ^{Asp} Gene (predicted using tRNAscan-SE program)
<i>E. coli</i> O157:H7	GCATCCGCTAGCTCAGCTGGATAGAGTACTCGGCTACGAACCGAGCGGTGGAGGTTTCGAATCCTCCCGGATGCACCA
<i>Y. pestis</i>	GCACCATAGCTCAGCTGGATAGAGTACTCGGCTACGAACCGAGCGGTGGAGGTTTCGAATCCTCCCGGATGCACCA
<i>V. cholerae</i>	GCATCCGCTAGCTCAGCTGGATAGAGTACTCGGCTACGAACCGAGCGGTGGAGGTTTCGAATCCTCCCGGATGCACCA
<i>H. influenza</i> Td	GCATCCGCTAGCTCAGCTGGATAGAGTACTCGGCTACGAACCGAGCGGTGGAGGTTTCGAATCCTCCCGGATGCACCA
<i>P. aeruginosa</i>	GCATCCGCTAGCTCAGCTGGATAGAGTACTCGGCTACGAACCGAGCGGTGGAGGTTTCGAATCCTCCCGGATGCACCA
<i>N. meningitidis</i> MC58	GCATCCGCTAGCTCAGCTGGATAGAGTACTCGGCTACGAACCGAGCGGTGGAGGTTTCGAATCCTCCCGGATGCACCA
<i>C. pneumoniae</i> AR39	GCATCCGCTAGCTCAGCTGGATAGAGTACTCGGCTACGAACCGAGCGGTGGAGGTTTCGAATCCTCCCGGATGCACCA
<i>C. trachomatis</i>	GCATCCGCTAGCTCAGCTGGATAGAGTACTCGGCTACGAACCGAGCGGTGGAGGTTTCGAATCCTCCCGGATGCACCA
<i>M. tuberculosis</i> CDC1551	GCATCCGCTAGCTCAGCTGGATAGAGTACTCGGCTACGAACCGAGCGGTGGAGGTTTCGAATCCTCCCGGATGCACCA
<i>M. leprae</i>	GCATCCGCTAGCTCAGCTGGATAGAGTACTCGGCTACGAACCGAGCGGTGGAGGTTTCGAATCCTCCCGGATGCACCA
<i>Staphylococcus aureus</i> subsp. <i>aureus</i> Mu50	GCATCCGCTAGCTCAGCTGGATAGAGTACTCGGCTACGAACCGAGCGGTGGAGGTTTCGAATCCTCCCGGATGCACCA
<i>Streptococcus pyogenes</i> MGAS8232	GCATCCGCTAGCTCAGCTGGATAGAGTACTCGGCTACGAACCGAGCGGTGGAGGTTTCGAATCCTCCCGGATGCACCA
<i>S. pneumoniae</i> TIGR4	GCATCCGCTAGCTCAGCTGGATAGAGTACTCGGCTACGAACCGAGCGGTGGAGGTTTCGAATCCTCCCGGATGCACCA

FIG. 6

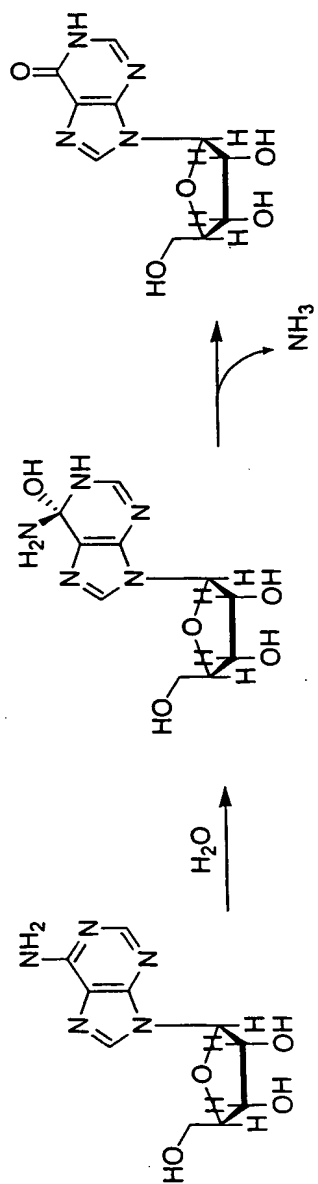


FIG. 7

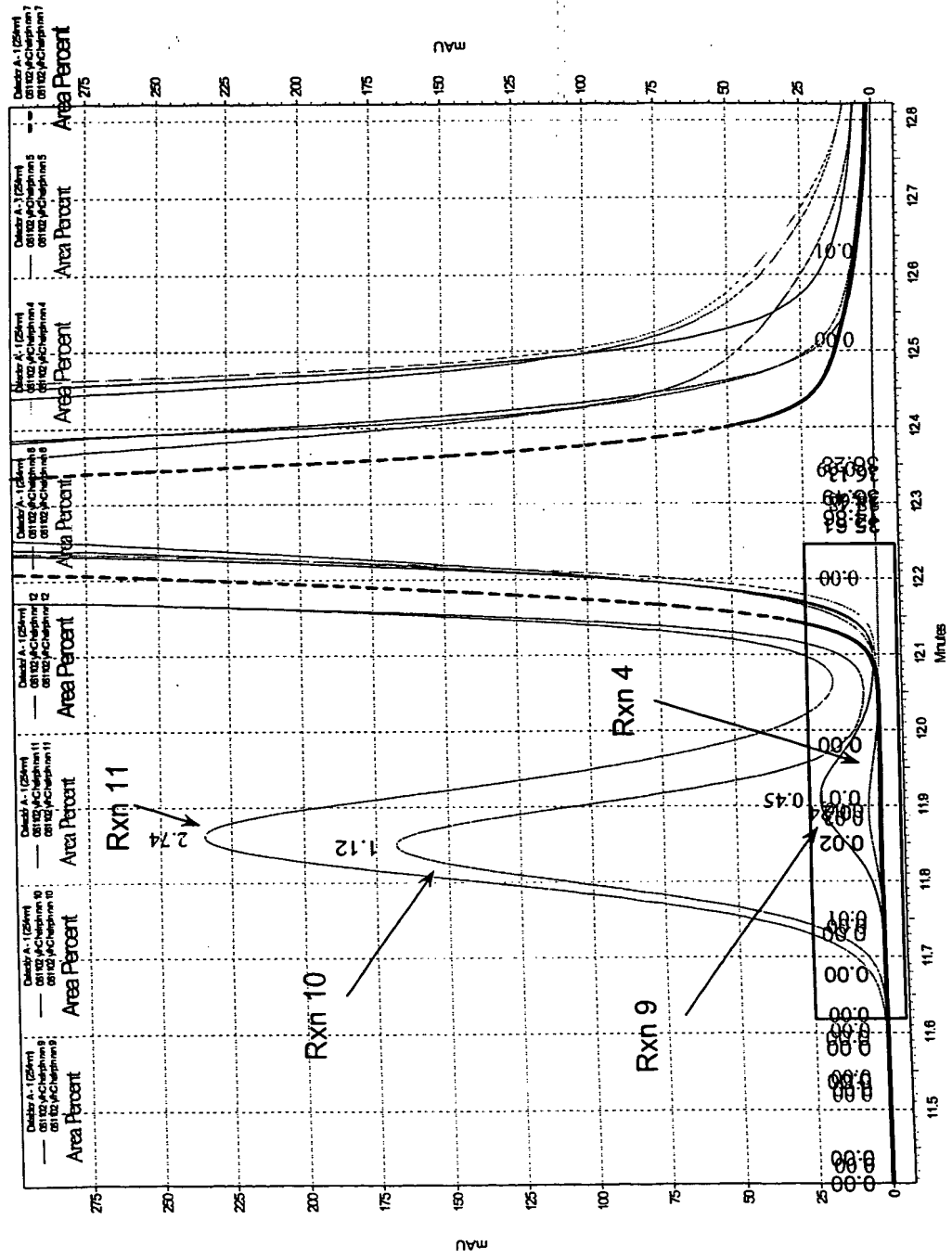


FIG. 8

